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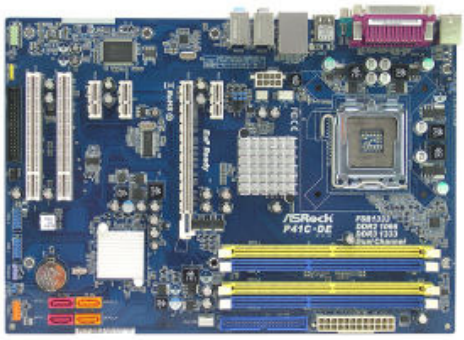
# P41C-DE



- LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron®, supporting Penryn Quad Core Yorkfield and Dual Core Wolfdale processors
- Solid Capacitor for CPU power
- Intel® G41 + ICH7 Chipsets
- Supports FSB1333/1066/800/533 MHz CPUs
- Supports Dual Channel DDR3 1333(OC)/1066/800, 2 x DIMM slots, Max. capacity up to 8GB; Dual Channel DDR2 1066(OC)/800/667/533, 2 x DIMM slots, Max. capacity up to 8GB

- 1 x PCI Express x16 slot
- 4 x SATAII 3.0 Gb/s connectors
- PCIE Gigabit LAN 10/100/1000 Mb/s
- Supports Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver, Instant Boot, Instant Flash, OC DNA
- EuP Ready
- 7.1 CH HD Audio (VIA® 1708S Audio Codec with QSound)
- Windows® 7 Logo Ready
- Free Bundle : ASRock Software Suite
- I/O Panel: 1 x Coaxial SPDIF Out Port, 1 x Optical SPDIF Out Port, 4 x Ready-to-Use USB 2.0 Ports, 1 x RJ-45 LAN Port with LED

## Product Specifications

| General | |
|---|---|
| **CPU** | - LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron®, supporting Penryn Quad Core Yorkfield and Dual Core Wolfdale processors<br>- Supports FSB1333/1066/800/533 MHz<br>- Supports Hyper-Threading Technology<br>- Supports Untied Overclocking Technology<br>- Supports EM64T CPU |
| **Chipset** | - Northbridge: Intel® G41<br>- Southbridge: Intel® ICH7 |
| **Memory** | - Dual Channel DDR3/DDR2 memory technology*<br>- 2 x DDR3 DIMM slots<br>- Supports DDR3 1333(OC)/1066/800 non-ECC, un-buffered memory<br>- Max. capacity of system memory: 8GB**<br>- 2 x DDR2 DIMM slots<br>- Supports DDR2 1066(OC)/800/667/533 non-ECC, un-buffered memory<br>- Max. capacity of system memory: 8GB**<br><br>*DDR3 and DDR2 are supported separately. |

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| | **Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 32-bit OS. For Windows® 64-bit OS with 64-bit CPU, there is no such limitation. |
| **BIOS** | - 8Mb AMI Legal BIOS<br>- Supports "Plug and Play"<br>- ACPI 1.1 Compliance Wake Up Events<br>- SMBIOS 2.3.1 Support<br>- CPU, VCCM, NB, SB, VTT, GTLRef Voltage Multi-adjustment<br>- Supports I. O. T. (Intelligent Overclocking Technology)<br>- Supports Smart BIOS |
| **Audio, Video and Networking** | |
| **Graphics** | - n/a |
| **Audio** | - 7.1 CH HD Audio (VIA® 1708S Audio Codec) |
| **LAN** | - PCIE x1 Gigabit LAN 10/100/1000 Mb/s<br>- Atheros® AR8131L<br>- Supports Wake-On-LAN |
| **Expansion / Connectivity** | |
| **Slots** | - 1 x PCI Express x16 slot<br>- 3 x PCI Express x1 slots<br>- 2 x PCI slots |
| **Connector** | - 4 x SATAII 3.0 Gb/s connectors (No support for RAID and "Hot Plug" functions)<br>- 1 x ATA100 IDE connector (supports 2 x IDE devices)<br>- 1 x Floppy connector<br>- 1 x IR header<br>- 1 x HDMI_SPDIF header<br>- CPU/Chassis/Power FAN connector<br>- 24 pin ATX power connector<br>- 8 pin 12V power connector<br>- Front panel audio connector<br>- 2 x USB 2.0 headers (support 4 USB 2.0 ports) |
| **Rear Panel I/O** | I/O Panel<br>- 1 x PS/2 Mouse Port<br>- 1 x PS/2 Keyboard Port<br>- 1 x Parallel Port (ECP/EPP support)<br>- 1 x Serial Port: COM1<br>- 1 x Coaxial SPDIF Out Port<br>- 1 x Optical SPDIF Out Port<br>- 4 x Ready-to-Use USB 2.0 Ports<br>- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)<br>- HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone |
| **Other Features / Miscellaneous** | |
| **Unique Feature** | - ASRock OC Tuner<br>- Intelligent Energy Saver<br>- Instant Boot<br>- ASRock Instant Flash<br>- ASRock OC DNA<br>- Hybrid Booster:<br>- CPU Frequency Stepless Control<br>- ASRock U-COP |

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| | - Boot Failure Guard (B.F.G.) |
| **Support CD** | - Drivers, Utilities, AntiVirus Software (Trial Version), ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial) |
| **Accessories** | - Quick Installation Guide, Support CD, I/O Shield<br>- 2 x SATA Data Cables (optional) |
| **Hardware Monitor** | - CPU Temperature Sensing<br>- Chassis Temperature Sensing<br>- CPU/Chassis/Power Fan Tachometer<br>- CPU/Chassis Quiet Fan<br>- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore |
| **Form Factor** | - ATX Form Factor: 12.0-in x 8.4-in, 30.5 cm x 21.3 cm<br>- Solid Capacitor for CPU power |
| **OS** | - Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant |
| **Certifications** | - FCC, CE, WHQL<br>- EuP Ready (EuP ready power supply is required) |

**Caution:**
Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using the third-party overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.

The specification is subject to change without notice in advance. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.